

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicants: M. YOSHIDA, et al.

Application No.: 10/042,271

Filed: January 11, 2002

For: ABRASIVE, METHOD OF POLISHING TARGET
MEMBER AND PROCESS FOR PRODUCING
SEMICONDUCTOR DEVICE

Group: 3723

Examiner: S. L. McDonald

SUBMISSION UNDER 37 C.F.R. §1.114**(INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97 AND §1.98)**Mail Stop: RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

July 6, 2005

Sir:

Pursuant to Applicants' duty of disclosure, and concurrently with the filing of a Request for Continued Examination (RCE) Transmittal and as the necessary Submission therefor, enclosed please find copies of documents to be considered by the Examiner during further examination of the above-identified application. Also enclosed is a Form PTO/SB/08A. This Form lists the enclosed documents, and additionally lists documents cited by the Examiner in the Office Action mailed February 27, 2001, in prior Application No. 09/581,814, that have not already been cited in the above-identified application.

Since Application No. 09/581,814 is being relied upon under 35 USC §120 in the above-identified application, copies of listed documents previously cited in No. 09/581,814 are not enclosed. These documents cited in connection with prior

Application No. 09/581,814, and listed on the enclosed Form, but whose copies are not enclosed herewith, are the following U.S. Patents:

- (1) No. 5,264,010;
- (2) No. 5,804,513;
- (3) No. 5,891,205; and
- (4) No. 5,997,620.

Please note that Japanese Patent Document No. JP 7-81932 has previously been cited in the above-identified application, in the Information Disclosure Statement submitted January 11, 2002, upon originally filing the above-identified application. However, as a machine English translation obtained at the JPO website is enclosed, No. 7-81932 is also set forth on the enclosed Form.

Also enclosed herewith is a copy of U.S. Patent No. 5,026,421. No. 5,026,421 corresponds to Japanese Patent Document No. 1-266183, listed on the International Search Report for International (PCT) Application No. PCT/AP98/05736, of which the prior application of the above-identified application, No. 09/581,814, is a national stage application filed under 35 USC §371.

Of the enclosed documents listed on the enclosed Form, U.S. Patent No. 4,475,981 corresponds to Japanese Patent Document No. 60-108489 and is a corresponding English equivalent thereto, and International (PCT) Application No. WO 93/22103 corresponds to Japanese Patent Document No. 7-502778 and is a corresponding English equivalent thereto. Moreover, International (PCT) Application No. WO 01/13417 has a publication date after the filing date of the International application for the parent application of the above-identified application.

The following comments are appropriate concerning various of the enclosed documents. Japanese Patent Document No. JP 7-81932 discloses particles with grain boundaries. While grain boundaries are not expressly described, the

experimental data in paragraph [0011], that is, powder 22, would appear to have grain boundaries. The powder 22 has mean particle diameter of 2.0 ± 0.2 micrometers. The particles are used for measuring color of cerium particles, not for a slurry. U.S. Patent No. 6,120,571 does not disclose particulate grain boundaries. U.S. Patent No. 5,543,126 discloses pulverizing ceric oxide particulate, but does not disclose a particle size after pulverizing.

This Information Disclosure Statement is being submitted concurrently with the filing of a RCE Transmittal in the above-identified application. Clearly, requirements of 37 CFR §1.97(b) are satisfied.

To the extent that documents listed on the enclosed Form are not in English, it is respectfully submitted that requirements of 37 CFR §1.97(a)(3) are satisfied by the machine translation thereof and/or corresponding English language documents, also enclosed herewith.

In view of the foregoing, and again noting the concurrently filed RCE Transmittal, it is respectfully submitted that all applicable requirements of 37 CFR §1.97 and §1.98 have been satisfied, in connection with each of the documents listed on the enclosed Form. Accordingly, consideration of the listed documents, upon further examination of the above-identified application, is respectfully requested.

Applicants request any shortage or excess in fees in connection with the filing of this paper, including extension of time fees, and for which no other form of payment is offered, be charged or credited to Deposit Account No. 01-2135 (Case:566.38683CX1).

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

A handwritten signature in black ink, appearing to read "William I. Solomon", written over a horizontal line.

William I. Solomon
Registration No. 28,565

1300 North 17th Street
Suite 1800
Arlington, VA 22209
Tel: 703-312-6600
Fax : 703-312-6666
WIS/vvr

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;"><i>(Use as many sheets as necessary)</i></p>			Complete if Known		
			Application Number	10/042,271	
			Filing Date	1/11/2002	
			First Named Inventor	M. YOSHIDA	
			Art Unit	3723	
			Examiner Name	S.L. McDonald	
			Attorney Docket Number	566.38683CX1	
Sheet	1	of	1		



U.S. PATENT DOCUMENTS						
Examiner Initials'	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US- 5,543,126		08-06-1996	Ota et al.	
		US- 6,120,571		09-19-2000	Aihara et al.	
		US- 5,026,421		01-25-1991	Le Loarer et al.	
		US- 4,475,981		10-09-1984	Rea	
		US- 5,264,010		11-1993	Brancaleoni et al.	
		US- 5,804,513		09-1998	Sakatani et al.	
		US- 5,891,205		04-1999	Picardi et al.	
		US- 5,997,620		12-1999	Kodama et al.	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		WO 01/13417 A1	10-29-1999			
		JP 60-108489	06-13-1985			
		JP 07-502778	03-23-1995			
		WO 93/22103	11-11-1993			
		JP 07-81932	03-1995			MT

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.